Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)		
2017	HJDXL13.5300	13.5	Diesel	8000		
	FEATURES & EMISSION		TYPICAL EQUIPMENT APPLICATION			
Injectio Recircul	r Cooler, Oxidation Catal n, Electronic Control Mod ation, Periodic Trap Oxid Catalytic Reduction-Urea Catalyst	dule, Exhaust Gas izer, Turbocharger,	Crane, Tractor, Loaders, Dozer, Pump, Compressor, Generator Set, Other Industrial Equipment			

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
POWER CLASS			NMHC	NOx	NMHC+NOx	со	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		FEL					0.01			
		CERT	0.03	0.06		0.03	0.003			

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this ______ day of January 2017.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

E0#: U-R-004-0540 A Hauhment: Page 10f1 12/16/2016

Engine Model Summary Form

Manufacturer:

John Deere Power Systems

Engine category:

Nonroad Cl

EPA Engine Family: HJDXL13,5300

Mfr Family Name:

650HCA

Process Code:	New Submission							
			4. Fuel Rate:	5. Fuel Rate:	6. Torque (Nm)	7. Fuel Rate:		9. Emission Control
		kW@RPM	mm/stroke@peak kW	(kg/hr)@peak kW	@RPM	mm/stroke@peak	8, Fuel Rate;	Device Per
 Engine code 	2. Engine Model	(SAE Gross)	(for diesel only)	(for diesels only)	(SEA Gross)	torque	(kW/hr)@peak torque	SAE J1930
6135HDW19	6135	296@2000	205.8@2000	62.9@2000;	2099@1500	2 290.2@15003	66.5@1500	
*6135HPRNT2	6135	489@2100	337.6@2100	108.4@2100	2902@1550	416.5@1550	98.7@1550	EGR ECM PTOX OC SCRC NH3OC DFITC CAC
6185HT007	6135		16/#11/205.8@2000	62.9@2000				EGRECMIPTOXOC SCRC NH30C DELTC CAC
*6135HT008	6135	296@2000	205,8@2000	62.9@2000	2099@1500	290,2@1500	66,5@1500	EGR ECM PTOX OC SCRC NH3OC DFI TC CAC
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